

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-33 Canceled.

34. (New) A method of transferring heat to or from a fluid flowing through a foraminous body positioned in a fluid chamber, comprising:

- feeding the fluid into the fluid chamber,
- heating or cooling the foraminous body positioned in the fluid chamber,
- feeding the fluid through interstices of the foraminous body,
- transferring heat between the fluid and the foraminous body, and
- delivering the fluid from the foraminous body to a fluid-delivery device.

35. (New) The method of claim 34, wherein feeding the fluid through the interstices of the foraminous body further comprises feeding the fluid through the interstices of a sintered metal, a woven material, a metal fabric, or a cellular plastic.

36. (New) The method of claim 34, further comprising:

- filtering the fluid as the fluid is fed through the interstices of the foraminous body.

37. (New) The method of claim 34, wherein the fluid is a liquid hot-melt adhesive.

38. (New) A device for delivering a fluid, comprising:

a dispensing body having a flow channel capable of being connected with a source of the fluid, and a discharge orifice communicating with said flow channel for delivering the fluid,

a heat-transfer chamber communicating with said flow channel,

a foraminous body positioned in said heat-transfer chamber and having interconnected interstices capable of receiving the fluid from said flow channel and delivering the fluid to said discharge orifice, and

a heat transfer device thermally coupled with said foraminous body and capable of transferring heat with respect thereto for heating or cooling the fluid flowing through the interconnected interstices.

39. (New) A device in accordance with claim 38, wherein said foraminous body is constructed from a material selected from a group consisting of: a sintered material, a woven material, a metal braid, and an open-pored cellular plastic.

40. (New) A device in accordance with claim 38, wherein said heat-transfer chamber is formed by a section of said flow channel into which said foraminous body is inserted.

41. (New) A device in accordance with claim 38, further comprising:

a housing containing said heat-transfer chamber, said housing further containing heating elements for heating the foraminous body.

42. (New) A device in accordance with claim 38, further comprising:

a cartridge carrying said foraminous body, said cartridge being insertable into and removable from said heat-transfer chamber.

43. (New) A device in accordance with claim 42, further comprising:

at least one heating element carried by said cartridge.

44. (New) A device in accordance with claim 43, wherein said foraminous body surrounds said heating element.

45. (New) A device in accordance with claim 43, wherein said heating element surrounds said foraminous body.

46. (New) A device in accordance with claim 38, further comprising:

at least one application valve module communicating with said heat-transfer chamber and having said discharge orifice for delivering the fluid.

47. (New) A cartridge for transferring heat to or from a fluid, comprising:

a foraminous body having interconnected interstices through which the fluid may flow, and

a heat transfer device thermally coupled with said foraminous body and capable of transferring heat with respect thereto for heating or cooling the fluid flowing through the interconnected interstices.

48. (New) A cartridge in accordance with claim 47, further comprising:

a housing having a hollow interior space, said foraminous body positioned within said hollow interior space.

49. (New) A device in accordance with claim 47, wherein said foraminous body is constructed from a material selected from a group consisting of: a sintered material, a woven material, a metal braid, and an open-pored cellular plastic.

50. (New) A device in accordance with claim 47, wherein said foraminous body surrounds said heating element.

51. (New) A device in accordance with claim 47, wherein said heating element surrounds said foraminous body.